



Aquatic Organisms as Disease Models

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Message from the Guest Editors

Aquatic organisms are an irreplaceable source of medicinal drugs and therapeutics, a perfect model system and indicator for many human diseases.

To mention a few examples, for several decades, the African clawed frog *Xenopus laevis* has been used for human pregnancy tests. *Xenopus* frogs are the perfect human ciliary-based model for kidney disease, and the *Xenopus* sex reversal is an excellent indicator of water contamination with endocrine disruptors that mimic human sex hormones and are present in the majority of cosmetics and everyday products. Zebrafish and squid eyes are a model for human ocular diseases, such as glaucoma, cataracts, photoreceptor degeneration, and cornea and retina disorders.

For this Special Issue, we invite research and review articles on the recent progress in aquatic organisms as a source of medication and models for human diseases. In addition, papers concerning markers of environmental pollutants and acting as a source of antipollutant compounds are also welcome.





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Message from the Editor-in-Chief

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